

THIRD PARTY QUALITY ASSURANCE REPORT

PROJECT: LIBBY ASBESTOS PROJECT

THIRD PARTY INDEPENDENT CONTRACTOR: CDM FEDERAL PROGRAMS CORP.

REMOVAL CONTRACTOR: PRI-ER JV

CONTRACT NUMBER:

PRI-ER JV TASK ORDER:

RESPONSE GUIDANCE DOCUMENT: RESPONSE ACTION WORK PLAN REVISION 8.0

REPORT AUTHOR:	K. Beaudoin (CDM Smith)	DATE: 8/22/2016
PROPERTY ADDRESS:	BNSF Libby Railyard	Libby, MT 59923
GEO UNIT:	7449	WORK PLAN REVISION: NA
PROPERTY ID:	AD-000739	BUILDING ID: NA
WEATHER:	75 Deg F. Sunny, Windy	
PURPOSE OF REPORT:	OU6 Soil Sampling Oversight of Kennedy Jenks Consultants (KJC)	

COMMENTS PERTAINING TO CONSTRUCTION ACTIVITIES

NOTE TIMES WITH EACH COMMENT

(RESULTS OF QA INSPECTIONS | TESTS | DEFICIENCIES OBSERVED | ACTIONS TAKEN | CORRECTIVE ACTIONS TAKEN BY THE CONTRACTOR | DISAGREEMENTS WITH CONTRACTOR | VERBAL INSTRUCTIONS TO CONTRACTOR (INCLUDE PERSONNEL) | DIRECTIONS FROM GOVERNMENT PERSONNEL)

1255 On site on the section of tracks along the Fisher River near mile post (MP) 1306. S. Carney, R. Welchoff, D. Kroll, L. Klein, A. Silverman L. Knickrehm (all KJC) Y. Chuang (BNSF) are on site to start the OU6 sampling event. 1318 Off site to get a box of air cassettes for KJC. 1406 On site with the cassettes from lot # 41586. 1453 M. Cirian (EPA) and R. Lanman (BNSF) on site. KJC and BNSF held a safety meeting. The sampling teams will be starting at MP 1306 East River View. 1531 BNSF has cleared the tracks for 45 minutes of sampling. 1539 The teams started collecting soil samples. One two person team is sampling the north side of the tracks while the second two person team is sampling along the south side of the tracks. KJC has put personal air monitors on the sampling teams. The sampling teams are wearing respirators while they are collecting the initial samples until their monitoring results are received. The teams are using a 1" push probe to collect the samples. Each team is collecting a GPS point at each sample aliquot. K. Beaudoin is observing the sampling team on the north side of the tracks. M. Cirian is observing the sampling team on the south side of the tracks. Each team is to collect 15 aliquots per their side of the tracks for the 1000' sample area. The teams are staggering their samples in ~60' intervals. the teams are collecting an aliquot from the toe of the ballast, then are collecting an aliquot from the center of the right of way, and then are collecting a point at the outside edge of the BNSF property. This pattern is then being repeated through out the 1000' sample area. The north team is using the push probe to collect a sample that is from 0"-6" bgs. K. Beaudoin confirmed that the team was visually inspecting their soil. Visual inspections are not as through since the soil is within a push probe. Some of the areas are particularly rocky and lack fine grain material. 1614 The north team crossed to the south side to collect samples due to the proximity of the river bank. 1639 The teams collected their 15 aliquots. The two teams combined their soil from the north and south sides and homogenized the material. The homogenized soil is being placed into a final sample bag. Approximately half of the soil collected from the two teams was placed into the final sample bag. 1704 The sample has been collected. KJC stated to deconn the sampling probes. After the sample was collected KJC held a tailgate meeting to discuss how the sampling went. K. Beaudoin recommended that the teams keep a better count of their aliquots so that they consistently are getting 30 aliquots per sample. K. Beaudoin recommended that KJC deconn the entirety of their probes (handles) to prevent cross contamination of samples. KJC then deconned the entire probe and shovel they had on site. K. Beaudoin recommended using a trenching shovel to collect the samples. The shovel with help with conducting the visual inspection and removal of rocks from the samples. K. Beaudoin assisted the KJC team fill out their FSDS sheets for the air and soil samples. 1733 Off site.

PRINTED NAME	INSPECTOR'S SIGNATURE	DATE
K. Beaudoin (CDM Smith)		8/22/2016